

**To:** Williams, Laura[williams.laura@epa.gov]  
**Cc:** Way, Steven[way.steven@epa.gov]; Ostrander, David[Ostrander.David@epa.gov]  
**From:** Ferguson, Ralph  
**Sent:** Wed 9/23/2015 11:38:46 PM  
**Subject:** Re: Professional Engineer(s) at GKM

Will do.

Ralph Ferguson  
ICP-GKM FSC  
US Environmental Protection Agency  
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On Sep 23, 2015, at 5:24 PM, Williams, Laura <[williams.laura@epa.gov](mailto:williams.laura@epa.gov)> wrote:

David,

I believe that Steve told me he was using MES (Mining and Environmental Services) at the GKM. I don't know if that means they are PEs. Ralph, while you're discussing the other questions with Steve tomorrow morning, could you ask him about MES and/or any other PEs contracted or consulted for GKM? Thank you, lw

**From:** Mills, Derek  
**Sent:** Tuesday, September 22, 2015 5:27 PM  
**To:** Williams, Laura  
**Subject:** RE: Bio for Griswold

Thank you. I will review this document and get back to you if we will need the newer version. Thanks again.

**Derek Mills**

General Attorney  
Office of Regional Counsel  
US EPA, Region 8  
(303) 312-6821

**From:** Williams, Laura  
**Sent:** Tuesday, September 22, 2015 5:23 PM  
**To:** Mills, Derek  
**Subject:** RE: Bio for Griswold

There's a slightly newer version (contains physical fitness requirements) but I'll need to hunt it down for you. Let me know if you need me to invest the time. Thanks, lw

**From:** Mills, Derek  
**Sent:** Tuesday, September 22, 2015 5:20 PM  
**To:** Williams, Laura  
**Subject:** RE: Bio for Griswold

Thank you very much for this information. Would it also be possible to obtain a Position Description for Hays' position? If such a document exists, it may be responsive. Thank you again and please let me know if you have any questions, comments, or concern.

**Derek Mills**

General Attorney  
Office of Regional Counsel  
US EPA, Region 8  
(303) 312-6821

**From:** Williams, Laura  
**Sent:** Tuesday, September 22, 2015 5:18 PM  
**To:** Mills, Derek  
**Subject:** FW: Bio for Griswold

Here's the draft bio for Hays Griswold that has not been revised or finalized. - lw

**From:** Goodrick, John  
**Sent:** Monday, August 24, 2015 1:35 PM  
**To:** Williams, Laura  
**Subject:** FW: Bio

Laura

Here are some edits by Hays of his bio.....do you want me to try to incorporate this into what I sent?

-John

**From:** Griswold, Hays  
**Sent:** Monday, August 24, 2015 1:22 PM  
**To:** Goodrick, John  
**Cc:** Griswold, Hays  
**Subject:** Re: Bio

I will write one here and you can extract it to Word...

Hays became interested in mining and mineral exploration at the age of fifteen growing up in Colorado Springs, CO. With older friends who could drive before him he explored numerous mines especially in the Cripple Creek, Fairplay, and Breckenridge mining districts, most of which were accessible becoming familiar with many of the aspects of mine construction, safe entry and exit.

He attended the Colorado School of Mines receiving a BS degree in Geological Engineering while working a full time job to pay for schooling.

After graduation in December 1974 he went to work as an exploration geologist for Mineral Systems, Ranchers Exploration, Amoco Minerals, Sunshine Mining Company, and independent consulting until 1987 (with a short pause to start a residential construction company with some partners.) During that time he worked all over the U.S. Including Alaska. His duties not only included "grass roots" exploration, but also mine investigations and evaluations. He became familiar with all types and aspects of mining operations from exploring old mine workings looking for potential new ore bodies to new operating mines for possible acquisition. During the last four years with Sunshine Mining Company Hays was took a position as manager of an underground gold mining operation in Northern California. He took the operation from the ground floor exploration drilling to opening historical workings to full production starting with two assistants and growing to 110+ staff, miners, labor, and contractors. His mentor and boss, VP of operations with a lifetime of mining experience, added considerably to Hays' knowledge of all aspects of mining. In addition Hays added to his mining knowledge base attending numerous short courses such as Mine Management, Mine Evaluation, Mining Operations and others, as well as many seminars, etc. The company fell on hard times a tragic death in the leadership and falling metal prices combined with gold values being insufficient for the operation to mine profitably brought an end to the operation and my employment with the company.

Hays returned to school to pursue a Masters Degree in Water Resource Engineering (hydrology) at the University of Colorado Boulder completing 15 credit hours with 4.0 G.P.A. and compiled a book on DRILLING AND SAMPLING USING REVERSE CIRCULATION DRILLS. Hays took a job in June 1987 as an On-Scene Coordinator (OSC) with the U.S. Environmental Protection Agency prior to completing the masters program.

Hays has been an OSC for the past 28 years working on many mining sites. He has been called on to take the lead on some of EPA's Removal Program's most complex mining site emergency response operations. They would include the Summitville Mine "disaster" assumption of operations, assessment and stabilization, the Gilt Edge Mine takeover, assessment and stabilization, the Leadville Mine Drainage Tunnel Lake County blowout

emergency declaration as well as many other mine site responses throughout the region.

Sent from my iPad

On Aug 20, 2015, at 9:48 AM, Goodrick, John <[Goodrick.John@epa.gov](mailto:Goodrick.John@epa.gov)> wrote:

Hays review/edit....and send it back

-John

<BioHays.docx>